

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112321AL\
 Data File : FC057030.D
 Signal(s) : FID1A.CH
 Acq On : 23 Nov 2021 17:39
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 11/24/2021
 Supervised By :mohammad ahmed 11/24/2021

Integration File: autoint1.e
 Quant Time: Nov 24 02:13:48 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111921.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 19 00:52:49 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.594	2280929	19.655 ug/ml
Spiked Amount 50.000		Recovery =	39.31%
12) S 1-chlorooctadecane (S...	13.026	1781105	19.565 ug/ml
Spiked Amount 50.000		Recovery =	39.13%
Target Compounds			
1) T n-Nonane (C9)	3.357	2042638	20.158 ug/ml
2) T n-Decane (C10)	4.424	2054422	20.516 ug/ml
3) T A~Naphthalene (C11.7)	6.012	2292238	20.528 ug/ml
4) T n-Dodecane (C12)	6.441	2086163	20.575 ug/ml
5) T A~2-methylnaphthalene...	7.069	2318168	21.024 ug/ml
6) T n-Tetradecane (C14)	8.235	2097140	20.698 ug/ml
7) T n-Hexadecane (C16)	9.834	2096080	20.426 ug/ml
8) T n-Octadecane (C18)	11.274	2174446	20.296 ug/ml
10) T n-Eicosane (C20)	12.581	2121187	19.832 ug/ml
11) T n-Heneicosane (C21)	13.191	2122547	19.600 ug/ml
13) T n-Docosane (C22)	13.777	2078436	19.400 ug/ml
14) T n-Tetracosane (C24)	14.876	2030930	18.760 ug/ml
15) T n-Hexacosane (C26)	15.894	1939547	18.209 ug/ml
16) T n-Octacosane (C28)	16.841	1879000	17.616 ug/ml
17) T n-Tricontane (C30)	17.726	1819574	17.071 ug/ml
18) T n-Dotriacontane (C32)	18.554	1758736	16.674 ug/ml
19) T n-Tetratriacontane (C34)	19.333	1738928	16.739 ug/mlm
20) T n-Hexatriacontane (C36)	20.071	1724395	17.072 ug/mlm
21) T n-Octatriacontane (C38)	20.802	1697451	18.491 ug/mlm
22) T n-Tetracontane (C40)	21.706	1690525	18.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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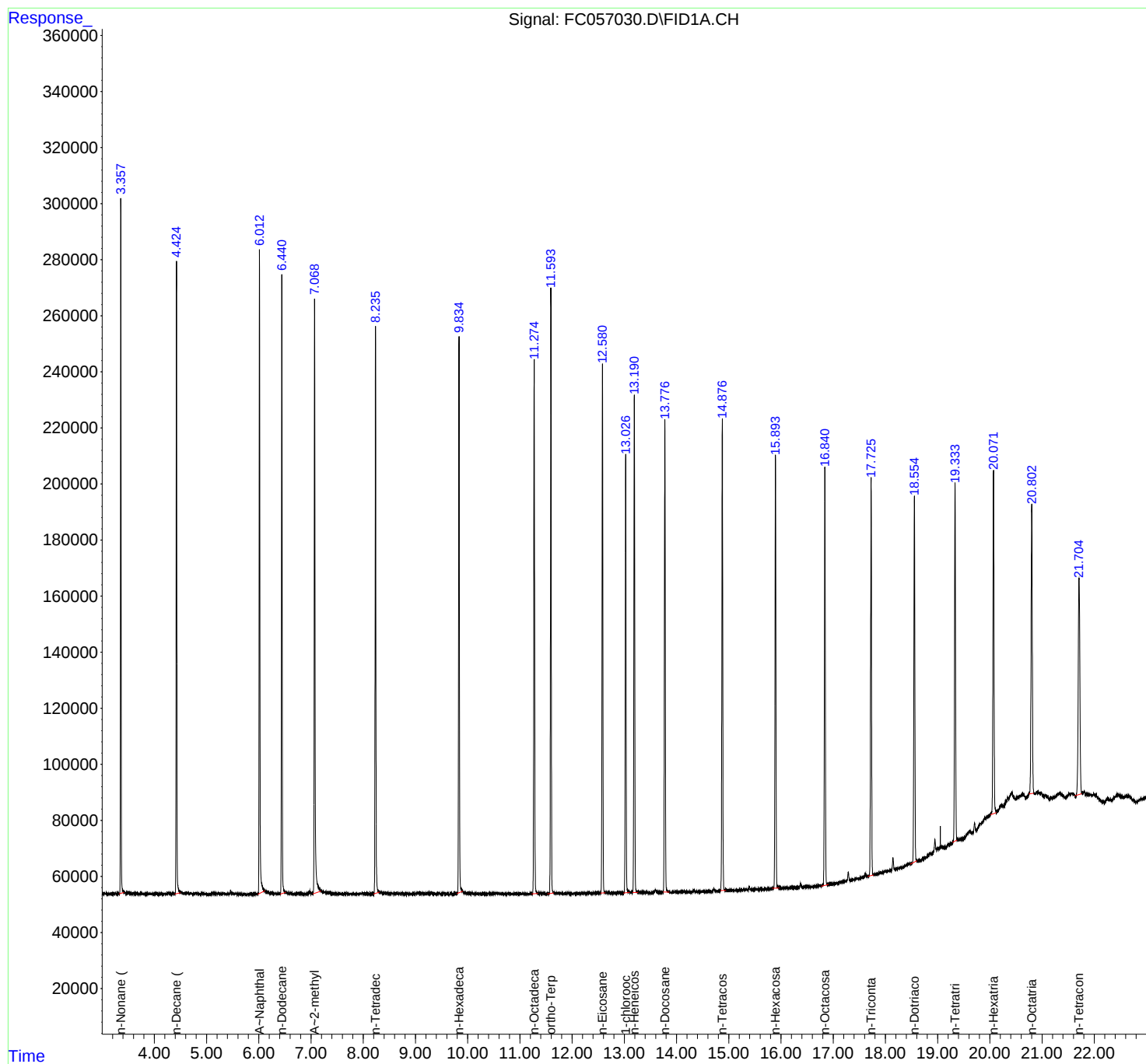
Instrument :
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20 PPM ALIPHATIC HC STD

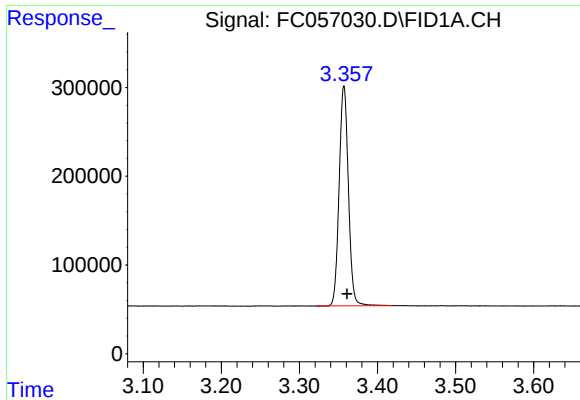
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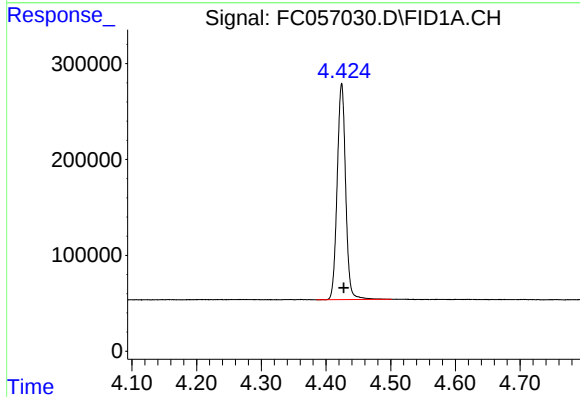
#1 n-Nonane (C9)

R.T.: 3.357 min
Delta R.T.: -0.004 min
Response: 2042638
Conc: 20.16 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

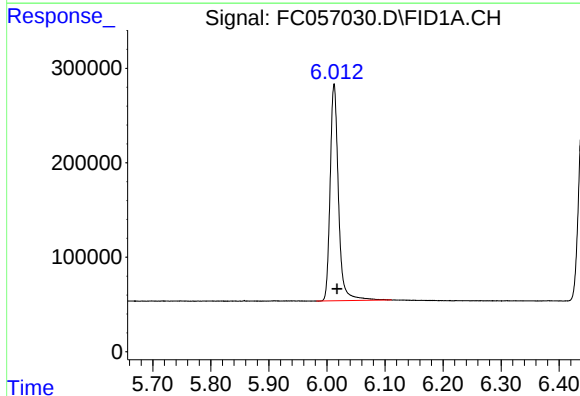
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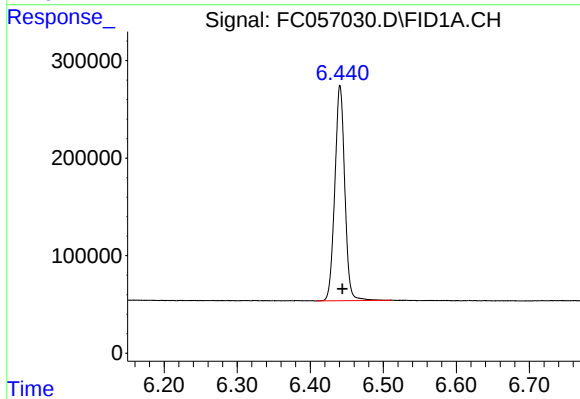
#2 n-Decane (C10)

R.T.: 4.424 min
Delta R.T.: -0.003 min
Response: 2054422
Conc: 20.52 ug/ml



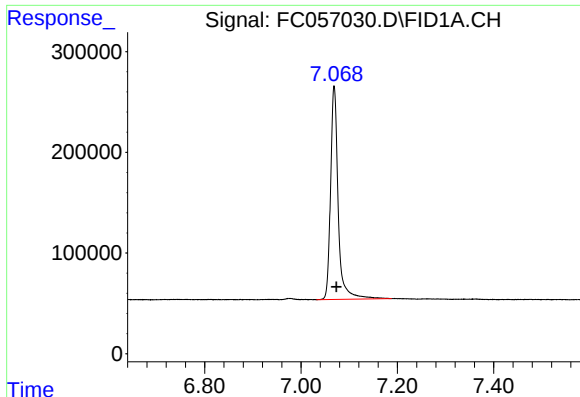
#3 A~Naphthalene (C11.7)

R.T.: 6.012 min
Delta R.T.: -0.005 min
Response: 2292238
Conc: 20.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.441 min
Delta R.T.: -0.003 min
Response: 2086163
Conc: 20.58 ug/ml



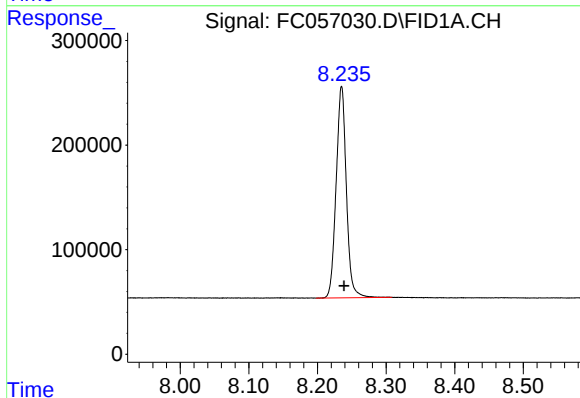
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.069 min
Delta R.T.: -0.005 min
Response: 2318168
Conc: 21.02 ug/ml

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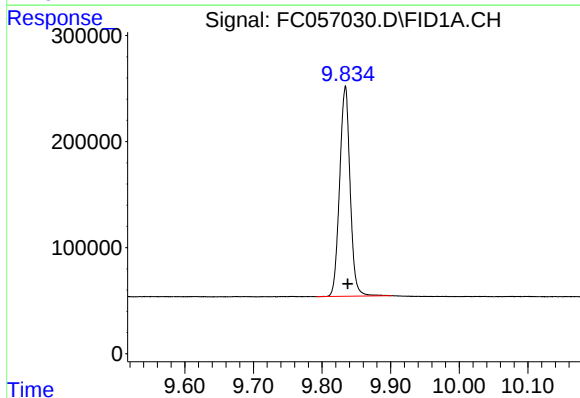
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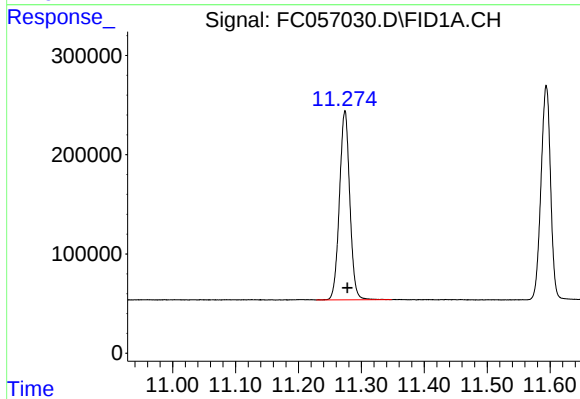
#6 n-Tetradecane (C14)

R.T.: 8.235 min
Delta R.T.: -0.004 min
Response: 2097140
Conc: 20.70 ug/ml



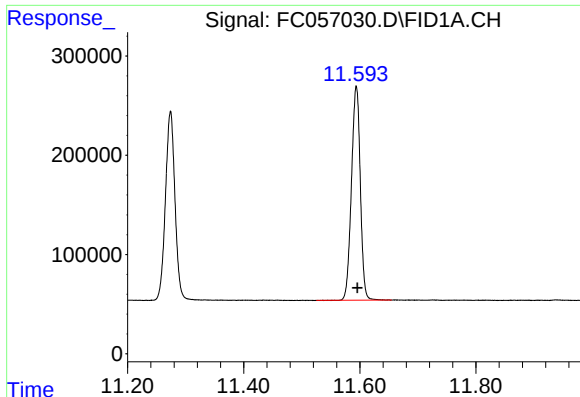
#7 n-Hexadecane (C16)

R.T.: 9.834 min
Delta R.T.: -0.004 min
Response: 2096080
Conc: 20.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.274 min
Delta R.T.: -0.004 min
Response: 2174446
Conc: 20.30 ug/ml



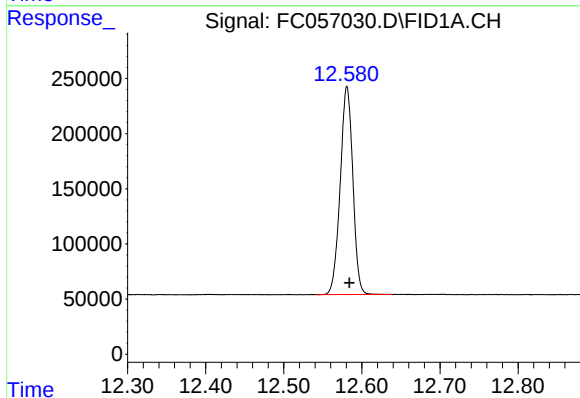
#9 ortho-Terphenyl (SURR)

R.T.: 11.594 min
Delta R.T.: -0.002 min
Response: 2280929
Conc: 19.66 ug/ml

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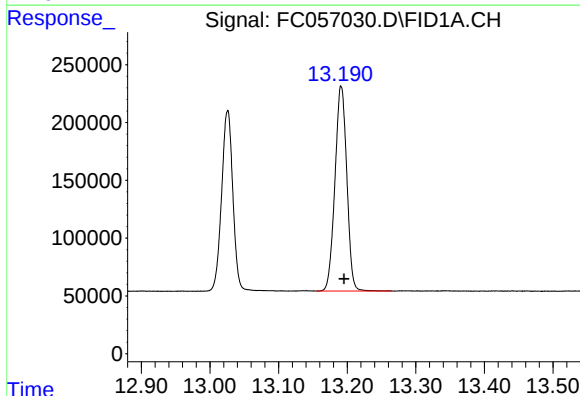
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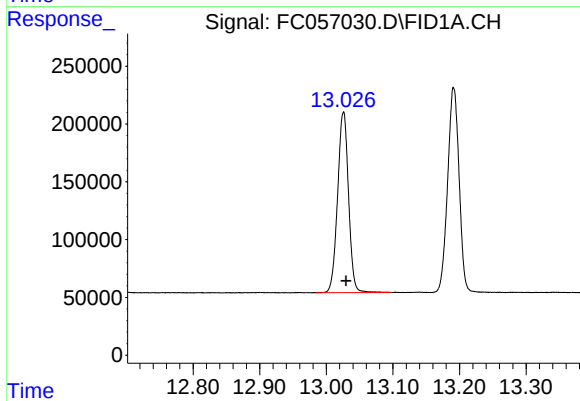
#10 n-Eicosane (C20)

R.T.: 12.581 min
Delta R.T.: -0.003 min
Response: 2121187
Conc: 19.83 ug/ml



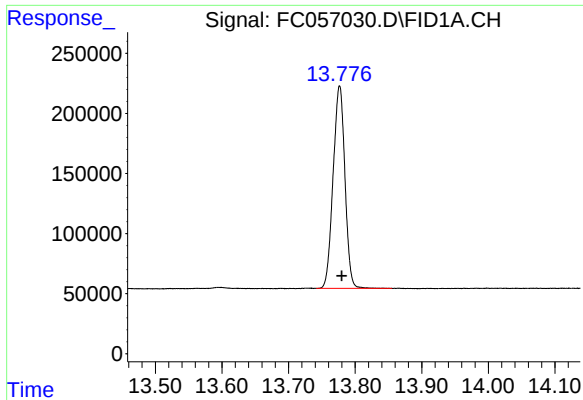
#11 n-Heneicosane (C21)

R.T.: 13.191 min
Delta R.T.: -0.004 min
Response: 2122547
Conc: 19.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.026 min
Delta R.T.: -0.004 min
Response: 1781105
Conc: 19.56 ug/ml



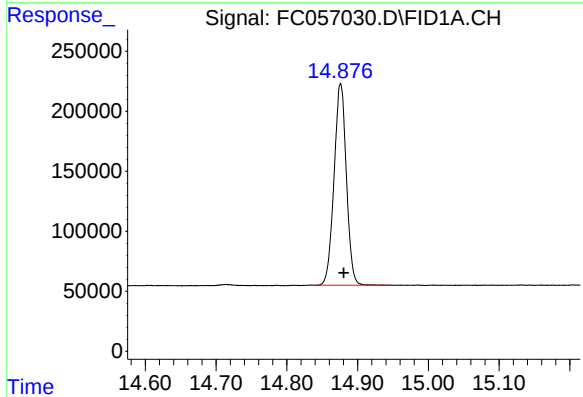
#13 n-Docosane (C22)

R.T.: 13.777 min
Delta R.T.: -0.003 min
Response: 2078436
Conc: 19.40 ug/ml

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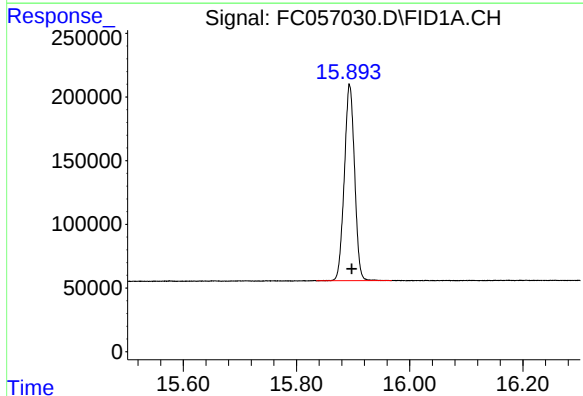
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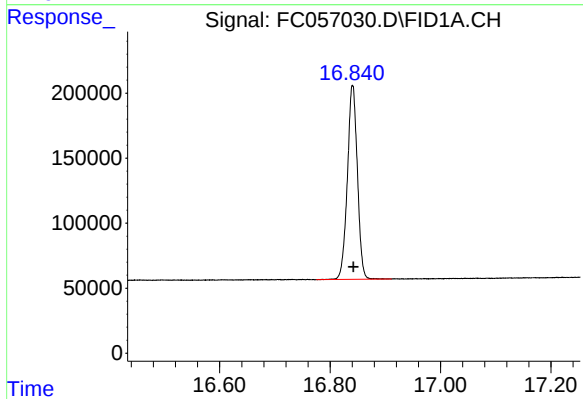
#14 n-Tetracosane (C24)

R.T.: 14.876 min
Delta R.T.: -0.005 min
Response: 2030930
Conc: 18.76 ug/ml



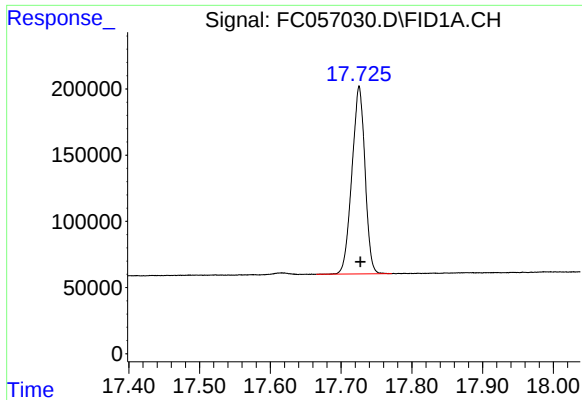
#15 n-Hexacosane (C26)

R.T.: 15.894 min
Delta R.T.: -0.004 min
Response: 1939547
Conc: 18.21 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.841 min
Delta R.T.: -0.001 min
Response: 1879000
Conc: 17.62 ug/ml



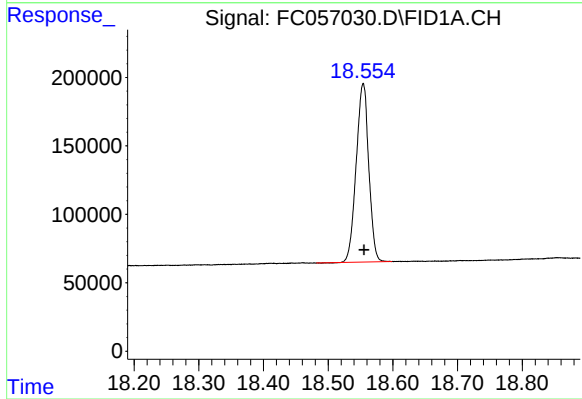
#17 n-Tricontane (C30)

R.T.: 17.726 min
Delta R.T.: -0.002 min
Response: 1819574
Conc: 17.07 ug/ml

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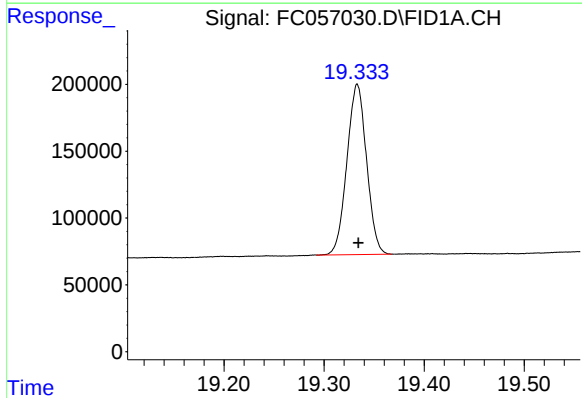
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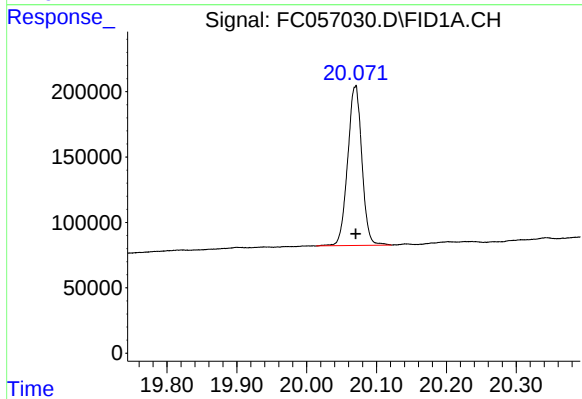
#18 n-Dotriacontane (C32)

R.T.: 18.554 min
Delta R.T.: -0.002 min
Response: 1758736
Conc: 16.67 ug/ml



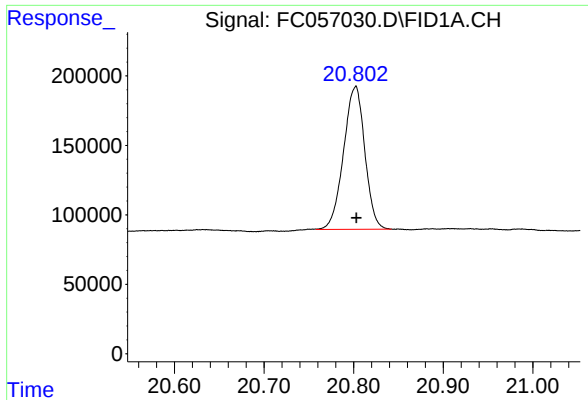
#19 n-Tetratriacontane (C34)

R.T.: 19.333 min
Delta R.T.: -0.002 min
Response: 1738928
Conc: 16.74 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.071 min
Delta R.T.: 0.000 min
Response: 1724395
Conc: 17.07 ug/ml m



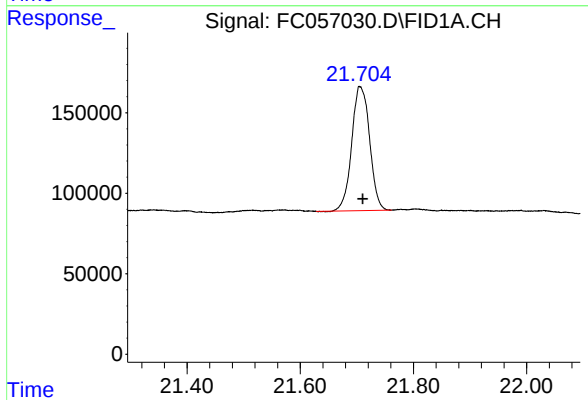
#21 n-Octatriacontane (C38)

R.T.: 20.802 min
Delta R.T.: 0.000 min
Response: 1697451
Conc: 18.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.706 min
Delta R.T.: -0.004 min
Response: 1690525
Conc: 18.77 ug/ml